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MONTANA

Industrial Horizons

STATE PLANNING BOARD

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Private Investment In Nursing Homes \$5.5 Million



Park Place Nursing Home in Great Falls. This \$465,000 facility has a capacity of 60 beds, and was completed in 1964. Typical of the new homes being built in Montana, it was designed to provide convalescing guests with professional care in a comfortable, home-like atmosphere.

A survey completed recently by the State Planning Board indicates that private investment in nursing homes for senior citizens in Montana amounted to over \$5.5 million in the past two years.

The private facilities built during 1963 and to date in 1964 totaled 16 and included 11 new structures, three additions to existing buildings and two remodeled homes.

PRIVATE HOMES BUILT 1963 TO SEPT. 1964

(New, Remodeled or Additions)

Big Sandy—Sternberg Home.
Big Sandy—Mary Sande Nursing Home.
Billings—Glendeen Home.
Billings—New Western Manor Nursing Home.
Billings—St. John's Lutheran Home.
Bozeman—Hillcrest (Section of Retirement Apartment Bldg).
Butte—Crest Nursing Home.
Great Falls—Park Place Nursing Home.
Hamilton—Valley View Estates.
Hot Springs—Hot Springs Manor.
Laurel—Laurel Nursing Home.
Lewistown—Valley Vista Manor.
Malta—Vickhammer Sunset Home.
Missoula—Hillside Manor.
Missoula—Royal Manor.
Missoula—Wayside Sanitarium.

Attractive and Comfortable

They provide care for 856 people and employment for 318.

The new homes and additions are ultra-modern, built along the latest approved designs. Some of them have such special features as air-conditioning, beauty and barber shops, physical therapy equipment, social rooms, visual-audio

communications systems, and go beyond offering the usual physical care with such programs as arts and crafts classes. Although the remodeled homes are not as elaborate, they are equally comfortable and provide excellent care.

In some instances, the homes were built by one individual or firm and are managed by another.

Others Planned

Besides these new homes that are already in operation, there are additions or new facilities under construction in Billings, Dillon and Malta; and new ones planned for Anaconda, Deer Lodge, Kalispell, and Polson.

All Homes Total 112

Latest figures from the State Board of Health indicate that there are 112 homes for the aged in Montana (classified as nursing, private care and boarding homes) with total space available for 2,753 people, including both private and public facilities. Employment approximates 1,051 people.

Montana Manufacturers

Plan now to display your products at Montana Products Exhibit to be held in the Civic Center in Helena, January 21, 22 and 23. Sponsored by Montana Manufacturers Association. Premier showing of exhibits for legislators and state officials, January 21, and each exhibitor to be introduced at the evening banquet.

Write for details:



Inventors Congress In Lewistown

Inventors from Montana and surrounding states will be featured at an Inventors Congress scheduled to be held in Lewistown, May 21, 22, and 23, 1965. It is expected that this will become an annual event.

The congress is to provide the opportunity for inventors to exhibit their inventions to persons who may want to finance, purchase or enter into a royalty agreement on an invention. Many firms will be sending representatives and these contacts can often result in satisfactory marketing agreements. New industries may be created as a result of the exposure of inventions, or new products added to the product lines of existing firms.

In the case of an invention which is already a marketable product, the inventor may offer his invention for sale to the viewing public. In this manner the inventor can determine the consumer reaction to his product which can serve as a phase of a market analysis.

Professional advice on patents, engineering, financing, manufacturing and marketing will be available to the inventor and general public. A primary objective of an inventors' congress is to bring the inventor and the prospective buyer together. However, since most inventors have a deep-seated urge to manufacture and market their invention themselves, this technical advisory personnel is provided to offer proper guidance which can, in most instances, spell the difference between success and failure.

Co-sponsors of the Montana Inventors Congress are the State Planning Board, Montana Chamber of Commerce, and the Lewistown Chamber of Commerce. Charles W. Cooley of Lewistown has been appointed to act as general chairman.

Application blanks and material for entering will soon be available from local chambers in all cities in Montana, and other distribution offices will be publicized. The congress is open to anyone who has an invention patented or patent pending.

Montana
Manufacturers Ass'n.

P. O. Box 1704

Helena, Montana

City-County Planning Boards Organize



Officers of the Association of Montana Planning Boards, left to right: Willard Johnson, Billings, Board of Directors; Robert E. Matson, Helena, assistant secretary; N. Joseph Campeau of Helena, secretary-treasurer; William J. Fox, Jr., of Missoula, president; Harold Korslund of Bozeman and William H. Knapton of Columbia Falls, Board of Directors. Not present when the picture was taken were J. George Graham of Great Falls, vice-president; Chan Ferguson of Great Falls and Larry F. Smith of Missoula, Board of Directors.

The Association of Montana Planning Boards was reactivated at a meeting held in Helena, November 6.

William J. Fox, Jr., president of the Missoula City-County Planning Board, was elected president of the new association. Other officers elected are: J. George Graham of Great Falls, Vice-President; N. Joseph Campeau of Helena, Secretary-Treasurer, and Robert E. Matson of the State Planning Board, Assistant Secretary.

Elected to the Board of Directors were Harold Korslund of Bozeman, William H. Knapton of Columbia Falls, Chan Ferguson of Great Falls, Willard Johnson of Billings, and Larry F. Smith of Missoula.

About fifty people attended the meeting. The following qualified boards were officially represented: Billings, Bozeman, Choteau, Columbia Falls, Great Falls, Helena, Missoula, Polson and Whitefish.

Of immediate concern is preparation of legislation for presentation to the 1965 legislature. Fox appointed the following committee to study the need for and draft whatever legislation pertaining to urban planning the association deems necessary; George Graham, Great Falls, chairman; Robert Roberts, Great Falls; T. R. Hawkins, Billings; Neil S. Keefer, Billings; and Ellis Waldron, Missoula.

Linton Corp. Awarded Contract for Weather Gauges

Linton Corp. of Sidney, manufacturers of fiberglass burial vaults, was awarded a contract to make precipitation gauges for the Weather Bureau by the U. S. Department of Commerce this past summer.

The gauges used to be made of steel but are now made of fiberglass to reduce the weight since they are installed in remote mountain areas and often by helicopter.

The Legislative Committee presented its recommendations to the officers and Board at a meeting in Helena on December 11. The Board gave tentative approval to several drafts of legislation prepared by Neil Keefer to amend the existing planning laws to allow planning boards to own land, to extend the present jurisdictional area of city-county planning boards from 4½ miles to 12 miles beyond the city limits; and tentatively approved the draft of an act to allow planning boards to conduct specific planning projects outside the jurisdictional area of the planning board, if requested by the board of county commissioners; and agreed to endorse the elimination of the first election now required by state law for urban renewal projects. Keefer was also asked to draft a bill to regulate auto junk and wrecking yards and abandoned auto disposal.

A resolution was also approved recommending that a sufficient appropriation be made to the State Planning Board to enable the agency to increase its activities in coordinating planning as well as give guidance in planning to smaller communities.

Construction of the gauge begins on a government-owned aluminum tube mold that is shipped to Sidney from the Weather Bureau in Salt Lake City. Several of the parts that Linton uses in manufacture of the gauges are made by two local firms, Les' Welding Shop and in the shops of the Holly Sugar Co.

The fiberglass gauge is 24½ feet high and its shape resembles a missile. Linton ships them to the installation area where they are mounted in cement or in a rock base.

General manager of Linton Corp. is A. Delmer Earl, who was formerly production plant manager with a firm in California which manufactured the gauges and other fiberglass products. The plant employs seven people.

In the News . . .

Montana School of Mines in Butte and General Astrometals Corp., a subsidiary of the Anaconda Co., have received a contract from the National Aeronautics and Space Administration to develop a new electrolytic process for a more ductile high-strength beryllium, as well as a possible new type of beryllium powder as a rocket propellant. The metal has the highest strength-to-weight ratio of any metal, and has promise in the aeronautical, aerospace and nuclear industries. * * *

The State Bank Superintendent has given preliminary approval to three proposed state-chartered banks to continue with their organization plans. The proposed banks are the Lincoln Security Bank at Libby, First State Bank of Whitefish and Pondera Bank of Montana at Conrad. * * *

Organization of the Gallatin National Life Insurance Co. in Bozeman with a capitalization of one million shares has been announced by E. Tracy McElroy, chairman of the board of directors. A public offering of 60,000 shares of stock to residents of Montana will be made at \$25 a share. McElroy said the agency will service the state with approximately 50 agents, and the home office staff will consist of 25 people within the first year. * * *

White Pine Sash Co., Missoula, has installed a boiler, as a first step in a \$300,000 program by the firm to reduce smoke from its plant. Company President Fred Garrison said another boiler and other improvements should be completed by next March. * * *

The federal Office of Coal Research is planning a \$169,000 survey to find new markets for coal produced in the West. * * *

Nuclear test detection facilities costing about \$6 million will be installed in the Miles City-Glendive area. The complex will consist of 20 seismic facilities with a total of 440 seismometers, covering an area of some 125 miles in diameter.

Montana Stone, Inc., of Great Falls, will construct a two-story building in Helena to be leased to International Business Machines Corp. for the firm's Montana sales and administration district offices.

Helena has been awarded a grant of \$7,592 by IMHFA, through the State Planning Board, to aid in comprehensive planning. The city will contribute \$3,801. The funds will be used to update a previous plan for the growth of the city, and will cover studies of the economic base, population, land use, traffic and parking, public facilities, and utilities.

Kaiser Expands Montana Cement Plant

Kaiser Cement & Gypsum Corp. has launched a \$1,100,000 expansion of its Montana City cement plant, which was completed only last year.

Four new storage silos are being added at the \$10 million plant to increase its storage capacity and to make available a greater variety of Permanente-brand cement types.

The complexity and the highly-seasonal nature of the area's construction industry made the expansion necessary, according to Douglas S. Ashton, Montana district sales manager.

Construction in Montana, Idaho, North Dakota and Wyoming is extremely diversified, Ashton said, and this calls for a wide range of cement types to meet every need. In addition, he said, construction is largely confined to the summer months, creating peak demands for both ordinary and specialty cements during this period.

The four new silos will provide storage space for an additional 150,000 barrels of cement. Each silo will be 160 feet high and 40 feet in diameter.

Foundations for the Kaiser plant expansion were started in August, and actual raising of the silos began early in October. The huge circular structures are being erected by the slip-form method in an around-the-clock concrete pour, raising at the rate of about nine inches an hour.

The silo project, including pneumatic storage equipment and load-out scales, is expected to be completed in the spring.

MSU Study Suggests Review of Regulatory Codes

Montana statutes which regulate retail competition, are the subject of a report recently completed by Edwin W. Briggs, professor of law at Montana State University.

Purpose of the study was to examine the character and extent of the regulation of retail competition under certain Montana statutes and the effect of the legislation on the markets regulated.

Five principal state laws were studied: the Unfair Practices Act, the Fair Trade Act, the Barbers Act, the Beauty Shop Act, and the Milk Control Act.

The report suggests that the regulatory codes analyzed in the report should be reviewed by the Montana legislature to determine whether they are still needed and whether in some cases the remedies are more harmful than the wrongs they are intended to correct.

The report was prepared for the State Planning Board under the Small Business Management Research Grant program of the Small Business Administration. Copies of the full report, entitled "Legal

Rubber-Tired Log Skidder Made By Mountain Manufacturing Co.



The Mountain Logger is a four-wheel drive skidder, made by Mountain Manufacturing Company in Kalispell. Don Luterbach designed the machine and is president of the company. He said it is more economical to buy and operate than a crawler tractor and was designed for speed and versatility. The swivel in the middle allows a 42-degree turn and the rear axle is equipped with no-spin differential. The blade in front is for clearing roads and decking logs.

A pioneer venture in machine manufacture is underway in the Flathead Valley and the product has proved so popular that the machines are being sold long before they reach the end of the assembly line.

Mountain Manufacturing was incorporated about a year ago by Don Luterbach of Kalispell to make a high-speed, low-cost log skidding machine which he designed. In his 11 years of working with loggers in sales and servicing equipment, Luterbach said he acquired suggestions and ideas which he incorporated into development of the machine.

Luterbach's objective was a machine especially for skidding logs that could work on awkward terrains, ridge tops and hillsides, as well as bottom lands and boggy terrain. The Flathead area provided this variation and made an ideal proving ground. Test operators say the Mountain Logger will outperform a cat in swampy ground and can climb hills equally as well. It doesn't have the drawbar power of a D-7, but they say with its speed and mobility an operator can move as many, or more logs per day as with a crawler type tractor.

Barriers to Competition In Montana State and Local Law," may be purchased for \$3.00 from the Bureau of Business and Economic Research, Montana State University, Missoula, Montana.

The four-wheel drive skidder is available with either diesel or gasoline engine and sells for about \$13,000. Maintenance records kept on the first machines show attractively low overhead costs. Operators claim equal volumes of timber brought to the landing at about half the former woods costs. These features, combined with the aggressiveness of this new company, have resulted in sales of the machine right off the assembly line. So far there have been 47 machines built, and sales have ranged from Alaska to California. The firm is now negotiating to expand their distribution throughout all of the United States and Canada.

Mountain Manufacturing Co., now employs 32 men and hopes to enlarge their facilities to produce 25 machines a month by next spring.

LIBBY DAM STARTS IN '66

Formal ratification of the U.S.-Canadian Columbia River Basin Treaty in September clears the way for construction of Libby Dam on the Kootenai River in western Montana. The Corps of Engineers anticipates that actual construction on the \$350 million project will begin in 1966. Peak work force will be about 2,000, and the Corps estimates that the population of the Libby area will be increased by about 4,700 during the construction period.

Engineering Group at MSC to Aid Industrial Planning and Development



Sam Chapman, director of the State Planning Board, and Governor Tim Babcock study objectives of Industrial Development Center at a meeting with the principals, standing left to right: Dr. R. C. Suiter, engineer; Carl Tange, Jr., director; and Torlief Aasheim, director of the Montana Cooperative Extension Service.

A new service to "conceive, research, develop and advance industrial development within the State of Montana in the best interests of its residents" has been formed at Montana State College by the engineering research laboratories.

The new group is called the Industrial Development Center and is under the direction of Carl Tange, Jr., assistant director of engineering research at the college. C. M. Sorvaag and Dr. Raymond C. Suiter have been assigned to the center as staff engineers, and the center will utilize the facilities, services and other personnel of the engineering research laboratories.

There are two important concepts involved with this new Industrial Development Center. First, it will provide engineering technical service directly to Montanans through an already existing channel—the Cooperative Extension Service; and second, it will provide a much-needed link between good technical ideas and the commercialization of these ideas. The net result is a better utilization of the engineering and research capabilities of the college.

Tange said that the present capabilities of the Montana Cooperative Extension Service will be expanded by providing engineering development and research

services; this will involve working with County Extension agents and agricultural specialists on engineering evaluations of ideas, processes, problems, products, and proposed or existing plants.

Other objectives are to:

- Assist Montana industries by providing engineering development and research services.
 - Assist Montana communities in industrial planning and development for the future.
 - Work with federal and state agencies in developing new areas or redeveloping depressed areas in Montana and helping the area's people achieve economic well being.
 - Work with all of the state's educational institutions in the development and commercialization of academically originated ideas, processes or products.
 - Investigate research possibilities which are oriented toward the extended development of Montana's natural resources and manufacturing capabilities. Obtain the necessary funding and perform research in promising areas.
 - Provide technological and engineering advice and assistance to all state agencies and groups interested in attracting industry and business to Montana.
 - Solicit support for performance of research and development which will assist Montana State College's graduate research program, as well as help Montana by building the state's technological stature and base.
 - Arrange and promote technical meetings in the areas of engineering and industrial development which will improve and enhance the state's technical and industrial base.
- Technical fields to be covered are agricultural, chemical, civil, industrial, and mechanical engineering, and electronics, engineering mechanics, and operations research.
- The center will be a great asset to the State Planning Board for industrial contacts where engineering capabilities are involved, and it is anticipated that the program of each will be complemented by cooperation between the two agencies.

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